

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER D-471-1
Relating to Exemptions Under Section 27156
of the Vehicle Code

GRANATELLI MOTORSPORTS
Mass Airflow Sensor

Pursuant to the authority vested in the Air Resources Board by Section 27156 of the Vehicle Code; and

Pursuant to the authority vested in the undersigned by Section 39515 and Section 39516 of the Health and Safety Code and Executive Order G-45-9;

IT IS ORDERED AND RESOLVED: That the installation of the Mass Airflow Sensor, manufactured and marketed by Granatelli Motorsports, 5469 Oakdale Avenue, Woodland Hills, California 91364 has been found not to reduce the effectiveness of the applicable vehicle pollution control system and, therefore, is exempt from the prohibitions of Section 27156 of the Vehicle Code for the following Ford Motor Company vehicles listed in Exhibit A of the Executive Order.

The Mass Air Flow Sensor is designed with two main parts: the sensor body and the electronics. The body is manufactured out of a one piece metal casting, it contains the inlet tube, the sensor mounting, and an outlet tube. The electronics are manufactured by the Ford Motor Company to be a stock replacement. The sensor fits in the stock location with no modifications to the vehicle's electrical system or intake air system.

This Executive Order shall not apply to any Granatelli Motorsports Mass Airflow Sensor advertised, offered for sale, or sold with or installed on, a motor vehicle prior to or concurrent with transfer to an ultimate purchaser.

This Executive Order is valid provided that the installation instructions for the Mass Airflow Sensor will not recommend tuning the vehicle to specifications different from those of the Ford Motor Company.

Changes made to the design or operating conditions of the Mass Airflow Sensor, as exempt by the Air Resources Board, which adversely affect the performance of the vehicle's pollution control system shall invalidate this Executive Order.

Marketing of the Mass Airflow Sensor using any identification other than that shown in this Executive Order or marketing of the Mass Airflow Sensor for an application other than those listed in this Executive Order shall be prohibited unless prior approval is obtained from the Air Resources Board. Exemption of the Mass Airflow Sensor shall not be construed as exemption to sell, offer for sale, or advertise any component of the kit as an individual device.

This Executive Order is granted based on an engineering evaluation and an On Board Diagnostic II (OBD II) testing conducted on a 1999 Ford 4.6L truck, certified to a Low Emission Vehicle standard. Test data showed that the Mass Airflow Sensor when installed on the vehicle did not affect the vehicle's ability to perform its OBD II monitoring.

This Executive Order does not constitute any opinion as to the effect the use of the Mass Airflow Sensor may have on any warranty either expressed or implied by the vehicle manufacturer.

THIS EXECUTIVE ORDER DOES NOT CONSTITUTE A CERTIFICATION, ACCREDITATION, APPROVAL, OR ANY OTHER TYPE OF ENDORSEMENT BY THE AIR RESOURCES BOARD OF ANY CLAIMS OF THE APPLICANT CONCERNING ANTI-POLLUTION BENEFITS OR ANY ALLEGED BENEFITS OF GRANATELLI MOTORSPORTS'S MASS AIRFLOW SENSOR.

No claim of any kind, such as "Approved by the Air Resources Board", may be made with respect to the action taken herein in any advertising or other oral or written communication.

Violation of any of the above conditions shall be grounds for revocation of this order. The order may be revoked only after a ten-day written notice of intention to revoke the order, in which period the holder of the order may request in writing a hearing to contest the proposed revocation. If a hearing is requested, it shall be held within ten days of receipt of the request and the order may not be revoked until a determination after hearing that grounds for revocation exist.

Executed at El Monte, California, this 12th day of April 1999.

A handwritten signature in black ink, appearing to read "R. B. Summerfield", written in a cursive style.

R. B. Summerfield, Chief
Mobile Source Operations Division

EXHIBIT A

Granatelli Motorsports					
Mass Airflow (MAF) Sensor					
O.E.M. Interchange					
Ford Cars & Trucks					
Year	Veh. Model	Eng. Disp.	O.E.M. Part Number	Granatelli Motorsports Part Number	Walker Part Number
1996-99	F-150 / Expedition / Navigator	4.6/5.4	F6ZZ-12B579-AA	75994619-0	245-1029
1996-99	F-150 / Expedition / Navigator	4.6/5.4	F6ZF-12B579-AA	75995419-0	245-1029
1998-00	F-250 / F-350	6.8	F6ZF-12B579-AA	75996819-0	245-1029
1995-97	F-150 / Bronco	5.0/5.8	F2VF-12B579-A2A	75975819-0	245-1014
1991-95	Ranger	3.8	F12Z-12B579-AD	75953819-0	245-1013
1991-94	Ranger	3.0/4.0	F12Z-12B579-A	75944019-0	245-1013
1995-99	Ranger	3.0/4.0	F7DZ-12B579-EA	75994019-0	245-1043
1991-94	Explorer	3.0/4.0	F07F-12B579-AC	75944019-04	245-1015
1995	Explorer	3.0/4.0	F0TZ-12B579-A	75954019-04	245-1015
1996-99	Explorer	3.0/4.0	F6DF-12B579-DB	75994019-04	245-1038
1996-99	Explorer / Mountainer	5.0	F6XZ-12B579-AA	75995019-04	245-1020
1988-93	Mustang	5.0	F72F-12B579-AA	779319-0	245-1049
1988-93	Mustang	5.0	F72F-12B579-AA	809319-0	245-1049
1988-93	Mustang	5.0	F72F-12B579-AA	839319-0	245-1049
1994-95	Mustang	5.0	F5VY-12B579-A	779519-0	245-1028
1994-95	Mustang	5.0	F5VY-12B579-A	809519-0	245-1028
1994-95	Mustang	5.0	F5VY-12B579-A	839519-0	245-1028
1996-99	Mustang	4.6	F50F-12B579-AA	779919-0	245-1031
1996-99	Mustang	4.6	F50F-12B579-AA	809919-0	245-1031
1996-99	Mustang	4.6	F50F-12B579-AA	839919-0	245-1031
1988-93	Mustang	5.0	F72F-12B579-AA	759319-0	245-1020
1988-93	Mustang	5.0	F72F-12B579-AA	759319-00/1/2/3/4/5/6	245-1020
1994-95	Mustang	5.0	F5VY-12B579-A	759519-0	245-1028
1994-95	Mustang	5.0	F5VY-12B579-A	759519-00/1/2/3/4/5/6	245-1028
1996-99	Mustang	4.6	F50F-12B579-AA	759919-0	245-1031
1996-99	Mustang	4.6	F50F-12B579-AA	759919-00/1/2/3/4/5/6	245-1031
1988-94	Thunderbird	3.8	F1SF-12B579-AA	779430-09	245-1017
1988-94	Thunderbird	5.0	F5VY-12B579-A	779419-0	245-1028
1995-97	Thunderbird	4.6	F50F-12B579-AA	779719-0	245-1031
1989	Taurus SHO	3.0	F1SF-12B579-AB	778924-08	245-1017
1990-95	Taurus SHO	3.0	F1SF-12B579-AD	779524-08	245-1016